6 November 1963

SUBJECT: Contract AF33(600)-37827, ASTIA Field-of-Interest Register for Perkin-Slmer

TO: Joe P

Enclosed is a copy of the ASTIA Field=Of-Interest Register submitted by Perkin-Elmer in support of Contract AF33(600)-37827. Also enclosed is a copy of ASTIA Form 22 which identifies the areas of interest circled by the contractor.

25X1A

As agreed during a telephone conversation with on 6 November 1963, the expiration date for this ASTIA service has been changed from 31 December 1964 to 30 June 1964 to coincide with the expiration date of Contract AF33(600)-37827.

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Wayne

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Approved For Release 2002/10/16 ECIA-RDP67B00820R000400050006-1 16942 ▼ U.S. GOVERNMENT PRINTING OFFICE 1963 ASTIA FIELD-OF-INTEREST REGISTER 1. Name and Address Address Code 6. Sponsor Approval a. Release of Documents by ASTIA on Request is Approved as Checke The Perkin-Elmer Corporation 0321-905 IS ☐ Unclassified Only Main Avenua (2) Classified in the Fields Circled in Box 5 up to and Including Norwalk, Conn Confidential STAŢĮŅŢĮ X Secret b. The Technical Abstract Bulletin is approved for the following number Librarian of copies (Note-Approval of more than 3 copies per contract must be 2. Service Required for (Sign One Only) a. Contract No. AF 33 (600) 37827 accompanied by a written justification) c. Military Agency and Address
Hq Aeronautical Systems Division STATINTL Wright-Patterson AFB, Ohio Title TINTĹ CNTRACT ADMINISTRATOR 6 Nov 1963 b. Official Government Use-Until (Date Office Symbol/Code ASZ-5 Signature 7. Military address for Secret material transmittal, and transmittal of information notices on Confidential reports (if other than that in 6) Title Military Agency and Address Date 3. Technical Abstract Bulletin (TAB) Quantity Required Classification Required Secret Confidential Unclassified 8. For ASTIA Use Only ASTIA FIELD OF INTEREST REGISTER DIVISION
1 2 3 4 5 6 7 6 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 Via Code Date Established Date Renewed (0011616661160011|116111|1000111111| 66 66666 7 3 7 7 (10) 7 7 (7) 9 9 10 10 12 10 12

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- AIRCRAFT & FLIGHT EQUIPMENT
- 1. Aircraft Instruments
- 2. Aircraft Design
- 3. Aircraft Structures
- Flight Operating Problems
- 5. Flight Safety
- 6. Gliders
- 7. Lighter-Than-Air
- 8. Propellers
- 9. Rotating-Wing Aircraft
- 10. Water-Borne Aircraft
- 11. Vulnerability Studies
- 2. ASTRONOMY, GEOPHYSICS & GEOGRAPHY
- Astronomy
- 2. Cartography
- 3. Climatology
- Geodetic Engineering
- Geography
- Geomagnetism 6.
- Meteorology 7.
- Mineralogy 8.
- Oceanography
- 10. Seismology
- 3. CHEMICAL WARFARE EQUIPMENT & MATERIALS
- 1. Biological Agents
- 2. Flame Throwers
- 3. Incendiaries
- Protection &

Decontamination

- 5. Pyrotechnics
- 6. Screening Agents & Smokes
- 7. War Gases
- 4. CHEMISTRY
- 1. Chemical Engineering
- 2. Inorganic Chemistry

- 3. Organic hemistry
- 4. Physical Chemistry
- 5. COMMUNICATIONS
- 1. Combat Information Centers
- 2. Radio Communications
- 3. Sound Recording & Amplifications
- Television
- 5. Wire Communications
- 6. Optical Communications
- 6. DETECTION
 - 1. Acoustic
- 2. Direction Finders
- Infrared
- 4. Magnetic
- 5. Optical
- 6. Radar & Radio
- 7. Seismic
- 8. Nuclear
- ELECTRICAL EQUIPMENT
 - Batteries
 - Control & Protective Equipment
 - Distribution Equipment
 - Heating & Lighting Equipment
 - 5. Power Equipment
- ELECTRONICS & ELECTRONIC **EQUIPMENT**
 - 1. Antennas
 - 2. Components & Accessories
 - 3. Electronic Theory
 - 4. Electronic Tube Devices
 - 5. Modulation Studies
 - Wave Propagation
 - 7. Information Theory
- 9. FLUID MECHANICS
- 1. Dynamics
- 2. Compressibility
- 3. Statics

- 4. Hydredyna
- 5. Thermoaerodynamics
- Theoretical Aerodynamics
- 7. Experimental Aerodynamics
- 10. FUELS & COMBUSTION
 - 1. Gaseous Fuels
 - 2. Liquid Fuels
 - 3. Solid Fuels
 - 4. Gaseous Propellants
 - Liquid Propellants
 - 6. Solid Propellants
 - 7. Combustion

11. GROUND TRANSPORTATION EQUIPMENT

- 1. Amphibious Vehicles
- 2. Automotive Parts & Accessories
- 3. Railroad Equipment
- Special Purpose Vehicles 4.
- Trucks
- 12. GUIDED MISSILES
 - 1. Aerodynamics & Ballistics
 - 2. Guidance & Control
 - Handling & Launching
 - Propulsion
 - 5. Warheads & Fuzes
- 13. INSTALLATIONS & CONSTRUCTION
 - Air Conditioning & Refrigeration Equipment
 - 2. Construction Equipment
 - 3. Sanitation Engineering
 - 4. Structural Engineering
 - 5. Fortifications
 - 6. Military Installations
 - 7. Public Utilities 8. Repair & Maintenance Facilities
 - 9. Yards & Docks
 - 10. Vulnerability Studies 11. Safety Engineering

- 14. MATERIALS (NON-METALLIC)
 - Adhesives & Sealants
 - 2. Ceramics
 - 3. Hydraulic Fluids
 - 4. Leather & Textiles

 - 6. Miscellaneous Materials
 - 7. Paints & Finishes
 - 8. Plastics
 - 9. Rubber & Elastomers
 - 10. Wood

15. MATHEMATICS

- 1. Pure Mathematics
- 2. Statistics

16. MEDICAL SCIENCES

- 1. Anatomy & Physiology
- 2. Bacteriology
- 3. Biochemistry
- 4. Biology
- 5. Dentistry
- 6. Hygiene & Sanitation
- 7. Medical Specialties
- 8. Medical Supplies & Equipme
- 9. Nutrition
- 11. Pharmacology & Toxicology
- 12. Psychiatry & Neurology
- 13. Surgery
- 14. Veterinary Medicine
- 15. Visual & Auditory Studies.

17. METALLURGY

- 1. Mining & Refining
- 2. Structural Metallurgy
- 3. Bronze, Brass, & Bearing A Heat-Resistant Alloys
- 5. Iron & Alloys
- 6. Light Metals & Alloys
- 7. Miscellaneous Non-Ferrous Metals & Alloys

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18. MILITARY SCIENCES & **OPERATIONS**

- 1. Defense
- 2. Intelligence
- 3. Logistics
- 4. Operations
- 5. Organization & Administration
- 6. Psychological Warfare
- 7. Strategy & Tactics

19. NAVIGATION

- 1. Celestial Navigation
- 2. Dead Reckoning & Pilotage
- 3. Electronic Navigation
- 4. Inertial Systems
- 5. Navigational Instruments
- 6. Special Navigation Systems

20. NUCLEAR PHYSICS & NUCLEAR CHEMISTRY

- 1. Atomic Structure
- 2. Nuclear Reactions
- 3. Radioactivity
- 4. Isotope Separation
- 5. Reactors & Particle Accelerators
- 6. Health Physics
- 7. Military Applications
- 8. Industrial Applications

21. NUCLEAR PROPULSION

- 1. Accessories
- 2. Components
- 3. Control 4. Cooling
- 5. Design
- 6. Installation
- 7. Operation
- 8. Performance
- 9. Shielding
- 10. Testing

- 22. ORDNANCE
 - 1. Ammunition & Explosives
 - 2. Armor
 - 3. Armored Cars
 - 4. Ballistics
 - 5. Bombs
 - 6. Explosions & Blast Effects
 - 7. Fire Control & Bombing Systems
 - 8. Guns
 - 9. Mounts & Turrets
- 10. Proximity Fuzes
- 11. Rockets & Launchers
- 12. Tanks.
- 13. Underwater Ordnance

23. PERSONNEL & TRAINING

- 1. Personnel Procurement & Administration
- 2. Industrial Relations
- 3. Wages, Salaries, & Benefits
- 4. Education & Vocational Training
- 5. Military Training & Indoctrination

24. PHOTOGRAPHY & OTHER REPRODUCTION PROCESSES

- 1. Cameras
- 2. Photographic Processes, Techniques & Equipment
- 3. Misc. Reproduction Processes, Techniques, & Equipment

25. PHYSICS

- 1. Acoustics
- 2. Crystallography
- 3. Electricity & Magnetism
- 4. Optics
- 5. Quantum Mechanics
- 6. Solid State Physics
- 7. Spectra & Molecular Theory
- 8. Thermodynamics

26. PRODUCTION & MANAGEMENT

- 1. Fabrication
- 2. Management, Accounting, & Public Relations
- Plant Design & Production Planning
- 4. Quality Control
- 5. Tooling
- 6. Machine Elements
- Packaging
- Hydraulic & Pneumatic Equipment

27. PROPULSION SYSTEMS

- 1. Reciprocating (Internal-Combustion)
- 2. Gas Turbine & Jet
- 3. Rocket
- 4. Steam

28. PSYCHOLOGY & HUMAN ENGINEERING

- 1. Experimental Psychology
- 2. Industrial Psychology
- 3. Physiological Psychology
- 4. Psychometrics
- 5. Social Psychology

29. QUARTERMASTER EQUIPMENT & SUPPLIES

- 1. Cleaning & Sanitation Equipment
- 2. Food & Containers
- 3. Furnishings
- 4. Kitchen Equipment
- 5. Personal Equipment
- 6. Protective Equipment

30. RESEARCH & RESEARCH **EQUIPMENT**

- 1. Administration & Programs
- 2. Computers

- 3. Instrumentation
- 4. Laboratories & Test Facility
- 5. Methods & Techniques
- 6. Wind & Water Tunnels

31. SHIPS & MARINE EQUIPMEN

- 1. Damage Control & Safety
- 2. Mine Countermeasures
- 3. Miscallaneous Equipment
- 4. Naval Architecture -Submarine
- 5. Naval Architecture Surfa Ships
- 6. Salvage
- 7. Torpedo Countermeasures
- 8. Vulnerability Studies
- 9. Ships Instruments

32. MISCELLANEOUS ARTS & SCIENCES

- 1. Agriculture
- 2. Anthropology
- 3. Documentation & Library Science
- 4. Economics
- 5. History
- 6. Law
- 7. Philosophy
- 8. Political Science
- 9. Sociology
- 10. Fine & Decorative Arts
- 11. Language & Literature
- 12. Music & Drama

13. Religion

33. TRANSPORTATION

- 1. Air Transportation 2. Highway Transportation
- 3. Rail Tros pertation
- 4. Water Transportation